

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L17	6624	(252/503,512-514.ccls. or 524/506.ccls.) or (252/506,509-511.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 14:21
L18	37	L17 and solar cell and (silicon near2 (substrate or wafer or film))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 14:21
L19	27	L17 and solar cell and (silicon near2 (substrate or wafer or film)) and (silicon dioxide or SiO2 or Si O2 or "SiO.sub.2" or Si "O.sub.2")	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 14:22
L20	9	L17 and solar cell and (silicon near2 (substrate or wafer or film)) same (silicon dioxide or SiO2 or Si O2 or "SiO.sub.2" or Si "O.sub.2")	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 14:23
L21	47	L17 and solar cell with (semiconductor or silicon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 14:50
S1	1	"20080146016"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S2	4	("4457861" or "5653918" or "6312864" or "6322620").pn. or "2001029977"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S3	2	WO-9324934-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/18 09:58
S4	4	WO-9324934-A\$ or JP-63268773-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/18 09:58

S5	1658	((shading or shaded or shade) with (reduc\$4 or minimiz\$5 or diminish\$4 or decreas\$4 or lessen\$4 or lower\$4 or degrad\$5 or curtail\$4 or cut\$3 adj (down or back) or little or minor or dash or small or tiny)) and ((screen or roller or tampon) printing or spraying or (finger writing))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S6	7	EP-0705479-A\$ OR EP-1207726-A\$ OR JP-11144619-A\$ OR US-6120975-A\$ OR US-2001029977-A\$ OR US-5653918-A\$ OR US-4429657-A\$ OR US-4421944-A\$ OR US-4327124-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/18 09:58
S7	336	S5 and (((dimethyl ester) or (butyl ester) or alcohols or water or ethanol or propanol or butanol or acetone or turpentine or benzene or benzine) with (hard or harden\$3 or solidif\$4 or solid))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S8	442	S5 and paste	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S9	148	S8 and S7	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S10	21	(ingo near schwirtlich). in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S11	2	WO-2005088730-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/18 09:58
S12	10	(Hilmar near2 Campe). in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58

S13	336	((sometimes or often or also or frequently or commonly or once or typically or usually or regularly or generally or better) near1 (call \$3 or refer\$4 or known or dubbed)) or (synonymous or synonym or ((equivalent or similar or alternat\$3) near2 (word or concept or term)))) near10 (solar cell)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S14	29699	solar cell	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S15	142	S5 and (solar cell)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S16	10095	H01B1/20.IPCR. OR H01B1/20.CIPG. OR H01B1/20.CIPC. OR H01B1/22.IPCR. OR H01B1/22.CIPG. OR H01B1/22.CIPC. OR H01B1/24.IPCR. OR H01B1/24.CIPG. OR H01B1/24.IPCR.	EPO; JPO; DERWENT	ADJ	ON	2009/03/18 09:58
S17	6624	(252/503,512-514.ccls. or 524/506.ccls.) or (252/506,509-511.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S18	1	S5 and S17	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S19	1308	S17 and ((screen or roller or tampon) printing or spraying or (finger writing))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S20	115	S17 and solar cell	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S21	130	S16 and solar cell	EPO; JPO; DERWENT	ADJ	ON	2009/03/18 09:58
S22	678	S17 and (((dimethyl ester) or (butyl ester) or alcohols or water or ethanol or propanol or butanol or acetone or turpentine or benzene or benzine) with (hard or harden\$3 or solidif \$4 or solid))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58

S23	6	S21 and (harden\$3 or solidif\$4)	EPO; JPO; DERWENT	ADJ	ON	2009/03/18 09:58
S24	738	S16 and (harden\$3 or solidif\$4)	EPO; JPO; DERWENT	ADJ	ON	2009/03/18 09:58
S25	296	S22 and (silicon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S26	119	S25 and (surfactant or soap or alchol sulfate or alkyl benzene or sulfonate or non carbonic acid ester or polyalcohol)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S27	105	S17 and (((dimethyl ester) or (butyl ester) or alcohols or water or ethanol or propanol or butanol or acetone or turpentine or benzene or benzine) with (harden\$3 or solidif\$4))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S28	56	S27 and (silicon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S29	53	S19 and S20	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S30	3	S17 and ((shading or shaded or shade) with (reduc\$4 or minimiz\$5 or diminish\$4 or decreas\$4 or lessen\$4 or lower\$4 or degrad\$5 or curtail\$4 or cut\$3 adj (down or back) or little or minor or dash or small or tiny))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S31	1	"20030124259"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S32	40	S27 and (surfactant or soap or alchol sulfate or alkyl benzene or sulfonate or non carbonic acid ester or polyalcohol)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S33	6624	(252/503,512-514.ccls. or 524/506.ccls.) or (252/506,509-511.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58

S34	234	S33 and ((Si O) or SiO or SiO <sub>2</sub> or SiO <sub>1</sub> sub <sup>1</sup> "2" or (Si O <sub>1</sub> sub <sup>1</sup> "2") or SiON or (SiO N) or (Si <sup>3</sup> "3"\$1N4) or (Si3 N4) or (Si <sub>1</sub> sub <sup>1</sup> "3" adj N <sub>1</sub> sub <sup>1</sup> "4") or (Si <sub>1</sub> sub <sup>1</sup> "3"N <sub>1</sub> sub <sup>1</sup> "4") or silicon (nitride or oxide or dioxide)) and (surfactant or soap or alcohol sulfate or alkyl benzene sulfonate or non carbonic acid ester or polyalcohol)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S35	209	S34 and ((dimethyl ester) or (butyl ester) or alcohol or water or ethanol or propanol or butanol or acetone or turpentine or benzene or benzine)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S36	227	S34 and (harden\$3 or solidif\$3 or heating or curing or cured or cure or cures or dried or drying or dry or dries or extract\$4 or deeping or deeped or immersing or immersed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S37	202	S35 and S36	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S38	12	S37 and solar cell	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S39	1671	S33 and (layer or substrate or film or wafer).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S40	321	S33 and ((layer or substrate or film or wafer) near3 (silicon or Si or a\$1Si))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S41	44	S40 and S35	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S42	46	S40 and S36	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S43	43	S41 and S42	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58

S44	85	S39 and S37	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S45	23	S43 and S44	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S46	31	S33 and S37 and (silicon near2 (substrate or layer or board or film))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S47	1	"20020049274"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S48	45	S33 and S37 and (silicon near6 (substrate or layer or board or film))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S49	4	S37 and ((height or length) near4 ratio)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S50	42	S44 and (printing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S51	19	S50 and alumina	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S52	60	S37 and (water near2 (soluble or insoluble))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S53	15	S37 and (water near2 (soluble and insoluble))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S54	6624	(252/503,512-514.ccls. or 524/506.ccls.) or (252/506,509-511. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S55	1671	S54 and (layer or substrate or film or wafer).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S56	1	S55 and (Schwirtlich or Ingo or Von or Campe or Hilmar).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S57	0	S55 and ((rwe or schott or (solar gmbh)).as. or ("1727" near King st))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58

S58	35	(US-20060043346-\$ or US-20030124259-\$ or US-20040046154-\$). did. or (US-4272423-\$ or US-6036889-\$ or US-6451433-\$ or US-6620342-\$ or US-4593068-\$ or US-5976418-\$ or US-6114440-\$ or US-6620345-\$ or US-5057370-\$ or US-3932311-\$ or US-5290601-\$ or US-5308887-\$ or US-5358990-\$ or US-5360851-\$ or US-5378408-\$ or US-5908585-\$ or US-5916485-\$ or US-6086790-\$ or US-6406646-\$ or US-6447909-\$ or US-6489029-\$ or US-6663799-\$ or US-6465550-\$ or US-6734250-\$).did. or (EP-1119007-\$ or JP-2004355933-\$ or JP-53145882-\$ or EP-154938-\$ or GB-2238432-\$ or DE-4435376-\$ or WO-0009446-\$ or EP-435633-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2009/03/18 09:58
S59	5	S58 and solar cell	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S60	234	S54 and ((Si O) or SiO or SiO <sub>2</sub> or SiO <sub>1</sub> sub <sup>1</sup> "2" or (Si O <sub>1</sub> sub <sup>1</sup> "2") or SiON or (SiO N) or (Si <sup>3</sup> "\$1N4) or (Si <sub>3</sub> N <sub>4</sub> ) or (Si <sub>1</sub> sub <sup>1</sup> "3" adj N <sub>1</sub> sub <sup>1</sup> "4") or (Si <sub>1</sub> sub <sup>1</sup> "3"N <sub>1</sub> sub <sup>1</sup> "4") or silicon (nitride or oxide or dioxide)) and (surfactant or soap or alcohol sulfate or alkyl benzene sulfonate or non carbonic acid ester or polyalcohol)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58

S61	209	S60 and ((dimethyl ester) or (butyl ester) or alcohol or water or ethanol or propanol or butanol or acetone or turpentine or benzene or benzine)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S62	227	S60 and (harden\$3 or solidif\$3 or heating or curing or cured or cure or cures or dried or drying or dry or dries or extract\$4 or deeping or deeped or immersing or immersed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S63	202	S61 and S62	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S64	12	S63 and solar cell	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S65	67	(carbon near6 (concentration or atom \$1cm\$1sup\$12 or dos \$3) near6 (boron or phophor\$3 or arsenic)). clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S66	67	(carbon near6 (concentration or atom \$1cm\$1sup\$1"2" or dos\$3) near6 (boron or phophor\$3 or arsenic)).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58
S67	24	(carbon near6 (concentration or atom \$1cm\$1sup\$1"2" or dos\$3) near6 (boron or phophor\$3 or arsenic)).clm. and (implant\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58



S68	24	(US-20090008650-\$ or US-20080242032-\$ or US-20080237716-\$ or US-20080203434-\$ or US-20070256627-\$ or US-20070102728-\$ or US-20070012242-\$ or US-20060267022-\$ or US-20030201461-\$ or US-20030175532-\$ or US-20020151153-\$ or US-20020142171-\$ or US-20020142170-\$). did. or (US-7119382-\$ or US-6750484-\$ or US-6703294-\$ or US-6641888-\$ or US-6635950-\$ or US-6198157-\$ or US-6180269-\$ or US-6011277-\$ or US-5246736-\$ or US-5189504-\$ or US-4855197-\$).did.	US-PGPUB; USPAT	ADJ	ON	2009/03/18 09:58
S69	24	S68 and (carbon near6 (concentration or atom \$1cm\$1sup\$1"2" or dos\$3) near6 (boron or phophor\$3 or arsenic)).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/18 09:58

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